INSPIRON 14

Specifications

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Regulatory Model: P22G | Type: P22G001; P22G002; P22G004

Computer Model: Inspiron M4040/14-N4050/3420

Dimensions

Height	31.52 mm to 34.68 mm (1.24 inches to 1.37 inches)
Width	342.00 mm (13.46 inches)
Depth	244.00 mm (9.61 inches)
Weight (with 6-cell battery)	configurable to less than 2.20 kg (4.85 lb) **NOTE:** The weight of your laptop may vary depending on the configuration ordered and the manufacturing variability.

System information

Computer model	Inspiron M4040/14-N4050/3420
Processor	
Inspiron 14-N4050/3420	• Intel Celeron • Intel Pentium dual core • Intel Core i3 (2nd and 3rd generation) • Intel Core i5 (2nd and 3rd generation)
Inspiron M4040	AMD E-Series
System chipset	
Inspiron 14-N4050	Intel HM67 Express Chipset
Inspiron 3420	Intel HM75 Express Chipset
Inspiron M4040	AMD A50

Memory

Connectors	two internally-accessible DDR3 SODIMM sockets
Capacities	2 GB and 4 GB
Minimum memory	2 GB
Maximum memory	8 GB
Memory type	1333/1600 MHz DDR3 SODIMM **NOTE:** The memory operates at 1066 MHz on Inspiron M4040.
Memory configurations supported	2 GB, 4 GB, 6 GB, and 8 GB

Communications

Network adapter	10/100 Ethernet LAN on system board
Wireless	• WLAN b/g/n • Bluetooth 4.0 for Inspiron 3420 • Bluetooth 3.0 for Inspiron 14-N4050/M4040

Ports and connectors

Audio	• one microphone-in port • one stereo headphones/speakers port
Mini-Card	one half mini-card slot
HDMI	one 19-pin port
Network adapter	one RJ45 port
USB	three 4-pin USB 2.0 ports
VGA	one 15-hole port

Audio

Controller	
Inspiron 14-N4050/M4040	IDT 92HD87B1
Inspiron 3420	Cirrus Logic C4213D
Speaker	2 x 2 Watt
Internal microphone	single analog microphone
Volume controls	program menus and keyboard media-control keys

Video

Inspiron 14-N4050	
Controller	Integrated Intel HD graphics
Video memory	system shared memory
Inspiron 14-N4050/M4040	
Controller	Discrete AMD Radeon HD 7450M
Video memory	512 MB/1024 MB
Inspiron 3420	
Controller	Discrete Nvidia GeForce GT 620M
Video memory	1 GB

Storage

Interface	SATA1/SATA2
Number of drives	one
Dimension	63.5 mm (2.5 inches)

AC Adapter

Type	65 W/90 W
Input voltage	100 VAC-240 VAC
Input current (maximum)	1.50 A/1.60 A/1.70 A
Input frequency	50 Hz-60 Hz
Output current (continuous)	
65 W	3.34 A
90 W	4.62 A
Output power	65 W/90 W
Rated output voltage	19.50 +/- 1 VDC
Temperature range	
Operating	0 °C to 40 °C (32 °F to 104 °F)
Storage	–40 °C to 70 °C (–40 °F to 158 °F)

Media-card reader

Type	one 3-in-1 slot
Cards supported	• Secure-digital (SD) memory card • Memory Stick • MultiMedia Card (MMC)

Backlit keyboard

Number of keys	• 86 (U.S. and Canada) • 87 (Europe and Brazil) • 90 (Japan)

Touchpad

X/Y position resolution (graphics table mode)	240 cpi
Size	
Height	46.00 mm (1.81 inches) sensor-active area
Width	90.00 mm (3.54 inches) sensor-active area

Battery

6-cell "smart" lithium ion	
Height	20.20 mm (0.80 inch)
Width	208.36 mm (8.20 inches)
Depth	56.52 mm (2.23 inches)
Weight	0.33 kg (0.73 lb)
Voltage	11.1 VDC
Charge time (approximate)	4 hours (when the computer is turned off)
Operating time	battery operating time varies depending on operating conditions and may reduce significantly under certain power-intensive conditions
Coin-cell battery	CR-2032

Camera

Camera resolution	
Inspiron 14-N4050/ M4040	1.3 megapixel
Inspiron 3420	1.0 megapixel
Video resolution (maximum)	
Inspiron 14-N4050/ M4040	640 x 480 at 30 fps
Inspiron 3420	1280 x 720 at 30 fps (HD)

Display

Type	14.0" HD WLED with TrueLife
Maximum resolution	1366 x 768
Dimensions	
Height	192.50 mm (7.58 inches)
Width	324.00 mm (12.76 inches)
Diagonal	355.60 mm (14.00 inches)
Refresh rate	60 Hz
Operating angle	0 degree (closed) to 140 degrees
Horizontal viewing angle	40/40 degrees
Vertical viewing angle	15/30 (H/L)
Pixel pitch	0.23 mm x 0.23 mm
Controls	brightness can be controlled through keyboard shortcuts

Computer environment

Temperature range	
Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	–40 °C to 65 °C (–40 °F to 149 °F)
Relative humidity (maximum)	
Operating	10 % to 90 % (non-condensing)
Storage	10 % to 95 % (non-condensing)
Maximum vibration (using a random vibration spectrum that simulates user environment)	
Operating	0.66 GRMS
Storage	1.3 GRMS
Maximum shock (Measured with hard drive in operating status and a 2-ms half-sine pulse for operating. Also measured with hard drive in head-parked position and a 2-ms half-sine pulse for storage)	
Operating	110 G
Storage	160 G
Altitude (maximum)	
Operating	–15.2 m to 3048 m (–50 ft to 10,000 ft)
Storage	–15.2 m to 10,668 m (–50 ft to 35,000 ft)
Airborne contaminant level	G1 as defined by ISA-S71.04-1985